



Project: Alaska Copper Works

Inspection Date: 8/21/19

Project No.: 19ACW1

Technician: David DuBois

**System Performance:**

Was system running during the inspection? ☒ Yes ☐ No

Flow Rates (gpm) Influent 100 Effluent n/a The flows should be ~155 gpm

Bag Filter #1 Pressures (psi) Influent 20 Effluent 18 The bag filters should be replaced if differential pressure > 8 psi

Bag Filter #2 Pressures (psi) Influent 20 Effluent 18

Carbon Filter Pressures (Lead) Influent n/a Effluent n/a The carbon filters should be backflushed if differential

Carbon Filter Pressures (Lag) Influent n/a Effluent n/a pressure > 8 psi

Were the bag filters replaced? ☐ Yes ☒ No

Was the carbon backflushed? ☐ Yes ☒ No

**Maintenance and Inspection Checklist:**

Task	Completed (Y/N)	Issues/Notes/Comments
Walchem Controller Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	No issues
Flow Meters Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Good
Level Sensor Cleaning/Inspection	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Inspect System Plumbing	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Pumps Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
General Housekeeping	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Chemistry Level	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	50 Gal 10% Caustic 55 Gal 25% Caustic
Safety Materials Inspected	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
pH Probe Inspection/Calibration	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Verified

**Water Sampling:**Were water samples taken? ☐ Yes ☒ No

Raw water:	pH	<u>6.58</u>	Turbidity	<u>19.2</u>	NTU
Bag Filter Influent	pH	<u>8.11</u>	Turbidity	<u>9.72</u>	NTU
Bag Filter Effluent	pH	<u>8.01</u>	Turbidity	<u>5.09</u>	NTU
Carbon Filter Influent	pH	<u>n/a</u>	Turbidity	<u>n/a</u>	NTU
Carbon Filter Effluent	pH	<u>n/a</u>	Turbidity	<u>n/a</u>	NTU

**Monthly Tasks:**Were samples submitted to Analytical? ☐ Yes ☒ No

Analytical Lab: \_\_\_\_\_

Was Walchem data downloaded? ☐ Yes ☒ NoWere the tank sludge levels checked? ☐ Yes ☒ No**Sludge Depth (inches):**Decant Tank: n/aTreatment tank: n/aBackflush tank: n/aMain lift station: n/aNorth lift station: n/aSouth lift station: n/a**Additional Comments, Recommendations and System Upsets:**

Not enough water to discharge, recirculated water to collect bag pressures.  
New 55 gallon poly drum delivered onsite of 25% Caustic on 8/21/19.

David DuBois

Technician

Project Lead Tech

Title

8/21/19

Date

**Submit**